TROPICAL AGRICULTURE

THE JOURNAL OF THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE

Via colendi haud facilis

Vol. 36 - 1959

Published
on behalf of the College by
BUTTERWORTHS SCIENTIFIC PUBLICATIONS
88 Kingsway, London, W.C.2

CONTENTS, VOLUME 36, 1959

No. 1—January 1959

PAGE

EDITORIAL 1

E. G. GIGLIOLI. *Mechanized Rice Production at the Mahaicony–Abary Scheme, British Guiana* 2

J. DORE and P. V. THEVAN. *Studies on Seed Germination and Seedling Growth in Rice* (Oryza Sativa *L.*) 15

J. M. THRESH. *The Control of Cacao Swollen Shoot Disease in Nigeria* 35

K. W. HARKER. *An Acacia Weed of Uganda Grasslands* 45

G. W. IVENS. *The Effects of Arboricides on East African Trees and Shrubs—II. Species of the* Brachystegia–Pseudoberlinia *Woodland* 52

T. J. LANSBURY. *The Composition and Digestibility of Some Conserved Fodder Crops for Dry Season Feeding in Ghana—II. Silage* 65

BOOK REVIEWS 70

OBITUARY 77

RECENT PUBLICATIONS 78

No. 2—April 1959

J. E. Y. HARDCASTLE. *The Development of Rice Production and Research in the Federation of Nigeria* 79

A. J. RAMPAL and J. G. BHATT. *Some Responses of the Rice Plant to Growth-regulating Substances* 96

D. B. MURRAY. *Deficiency Symptoms of the Major Elements in the Banana* .. 100

H. R. EVANS. *The Influence of Growth-promoting Substances on Pineapples* .. 108

P. H. ROSHER and R. D. SHELDRICK. *The Effect on Groundnuts* (Arachis hypogea) *of Pre-emergence Applications of MCPB* 118

A. J. OAKES, R. M. BOND and O. SKOV. *Pangola Grass* (Digitaria decumbens *Stent*) *in the United States Virgin Islands* 130

S. R. CHANT. *Investigations on a Seedling Die-back of* Theobroma cacao *L. in Nigeria—I. Description of the Disease and its Spread in the Nursery* .. 138

S. R. CHANT and T. H. R. HALL. *Investigations on a Seedling Die-back of* Theobroma cacao *L. in Nigeria—II. Factors affecting the Incidence of the Disease and its Control* 145

E. J. BRITTEN and H. M. LAUDE. *Control of Flowering in* Indigofera endecaphylla *by Photoperiod Regulation* 150

BOOK REVIEWS 156

RECENT PUBLICATIONS 160

No. 3—July 1959

A. Storrar. *The Principles of Farm Planning* 161

E. B. Dennison. *The Maintenance of Soil Fertility in the Southern Guinea Zone of Northern Nigeria (Tiv Country)* 171

D. Tollenaar. *Increased Cocoa Production by Foliar Copper Applications as an Effect Additional to Witches' Broom Disease Control* 177

A. A. Asker, A. A. El-Itriby and S. K. Fahmy. *Persistency of Lactation in Cattle in Egypt* 189

J. R. Metcalfe. *A Preliminary Reassessment of* Diatraea saccharalis *(F.) in Barbados, West Indies* 199

P. H. Rosher and R. D. Sheldrick. *The Effect of Post-emergence Applications of MCPB on Groundnuts* 211

G. W. Ivens. *The Effects of Arboricides on East African Trees and Shrubs—III.* Combretum *and* Commiphora *Species* 219

S. R. Chant and B. D. A. Beck. *The Effect of Cassava Mosaic Virus on the Anatomy of Cassava Leaves* 231

Book Reviews 237

Recent Publications 246

No. 4—October 1959

D. W. Levandowsky. *Propagation of Clonal* Hevea brasiliensis *by Cuttings* .. 247

N. W. Simmonds. *Experiments on the Germination of Banana Seeds* 259

W. G. Barker. *A System of Maximum Multiplication of the Banana Plant* .. 275

J. O. Wright. *A Note on Pruning of Bananas with 2,4-Dichlorophenoxyacetic Acid* 285

L. R. Vyle. *Chocolate Flavour: Its Assessment and Speculation as to Its Probable Origin* 287

G. Montsma. *Some Notes on the Conformation of West African Dwarf Cattle* .. 299

T. J. Lansbury. *The Composition and Digestibility of Some Conserved Fodder Crops for Dry Season Feeding in Ghana—III. Fodders for Irrigation* .. 305

R. M. Bredon and B. Marshall. *Notes on the Composition of Cattle for Slaughter and the Availability of Meat in Uganda* 309

Book Reviews 320

Obituary 325

Recent Publications 327

R. J. Acford Ltd., Chichester, Sussex, England